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(54) Title: NOVEL PROSTATE TUMOR-SPECIFIC PROMOTER

(57) Abstract: This invention provides novel transcriptional regulatory elements from the human TRPM4 (Transient Receptor Potential-Melastatin 4) gene. These promoter and enhancer elements preferentially activate transcription in prostate tumor cells and tissues as compared to other tissues. Methods and compositions are provided to employ TRPM4 promoter elements for prostate tumor-specific expression of therapeutic molecules. Prostate tumor-restricted replicating adenoviral vectors are also provided.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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US CL : 536/22.1; 435/252.3, 325  
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED  
Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 536/22.1; 435/252.3, 325

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004/050674 A2 (SHUSTER et al.) 17 June 2004 (17. 06. 2004), See the Abstract.	1-21
A	WO 2005/009539 A2 (XIE et al.) 3 February 2005 (03. 02. 2005) See the Abstract.	1-21

<input type="checkbox"/> Further documents are listed in the continuation of Box C.	<input type="checkbox"/> See patent family annex.
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**INTERNATIONAL SEARCH REPORT**

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**Continuation of B. FIELDS SEARCHED Item 3:**  
WEST AND STN SEARCHED:  
USPATFULL, MEDLINE, CAPLUS, EMBASE, BIOSIS  
SEQ ID NOs: 1-4 are searched by STIC.  
search terms: transient receptor, promoter, melastatin.